

1. Record Nr.	UNINA9910153184103321
Autore	Majumdar Abhijit
Titolo	Principles of woven fabric manufacturing / / Abhijit Majumdar
Pubbl/distr/stampa	Boca Raton : , : Taylor & Francis, a CRC title, part of the Taylor & Francis imprint, a member of the Taylor & Francis Group, the academic division of T&F Informa, plc, , [2017] ©2017
ISBN	1-4987-5915-7 1-315-36772-6 1-4987-5913-0
Descrizione fisica	1 online resource (457 pages) : illustrations, photographs
Disciplina	677/028242
Soggetti	Weaving
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Chapter 1. Introduction to fabric manufacturing -- Chapter 2. Winding -- Chapter 3. Warping -- Chapter 4. Warp sizing -- Chapter 5. Weave design -- Chapter 6. Shedding -- Chapter 7. Picking in shuttle loom -- Chapter 8. Picking in shuttleless looms -- Chapter 9. Beat-up -- Chapter 10. Secondary and auxiliary motions.
Sommario/riassunto	Weaving as a subject is an integral part of any textile engineering/technology program, the others being fibre manufacturing, yarn manufacturing and textile chemical processing. This book amalgamates both the compartments (preparatory processes and the loom mechanism) of weaving technology and presents a holistic picture. The machine descriptions are presented from the viewpoint of principles and no attempt has been made to make them exhaustive by incorporating various models or variants. The mathematical relations among various parameters have been derived starting from the first principles and each chapter concludes with solved numerical examples.